

**Delaware State Clearinghouse Committee
January Agenda**

January 28, 2020

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
<u>New Business*</u>									
1	4288	Executive, Criminal Justice Council	Postconviction Testing of DNA	\$307,552	\$0	\$0	0.06	0.00	0.00
2	4326	Executive, Criminal Justice Council	Innovative Reentry Initiatives	\$1,000,000	\$1,000,000	\$0	0.35	0.00	0.00
3	4327	Executive, Criminal Justice Council	Comprehensive Opioid Abuse Programs	\$3,000,000	\$0	\$0	0.58	0.00	0.00
4	4319	Department of Health and Social Services, Community Health	Council of State and Territorial Epidemiologists (CSTE) Influenza and Zoonoses Education Among Youth	\$96,000	\$6,799	\$0	0.00	0.05	0.00
5	2020-01-14-01	Department of Services for Children, Youth, and Their Families, Community Services	Dual Status Technical Assistance Grant	\$0	\$0	\$66,180	0.00	0.00	0.00
6	4310	Department of Natural Resources and Environmental Control, Watershed Stewardship	US Food and Drug Administration of Food and Drug Officials Travel	\$7,536	\$23	\$0	0.00	0.00	0.00
7	3977 Amendment	Department of Agriculture, Plant Industries	Spotted Lanternfly Survey and Outreach	\$583,000	\$0	\$0	1.00	0.00	0.00
8	4321	Colonial School District	School Violence Prevention Program	\$393,120	\$131,040	\$0	0.00	0.00	0.00
<u>Continued</u>									
1	4244	Executive, Criminal Justice Council	Sexual Assault Services Program	\$377,493	\$0	\$0	0.20	0.00	0.00
2	4251	Department of State, Office of the Director	Historic Preservation Grant-in-Aid	\$545,991	\$366,724	\$0	5.00	3.00	0.00
3	4320	Department of State, Human Relations	Fair Housing Assistance Program	\$128,372	\$0	\$0	1.00	0.00	0.00
4	4300	Department of Health and Social Services, Community Mental Health	Community Mental Health Block Grant	\$1,598,527	\$0	\$0	1.00	0.00	0.00
5	4306	Department of Health and Social Services, Community Health	Milk and Shellfish Grant Program	\$7,958	\$0	\$0	0.00	0.00	0.00
6	4307	Department of Health and Social Services, Community Health	Universal Newborn Hearing Screening	\$940,000	\$0	\$0	1.50	0.00	0.00
7	3754 Amendment	Department of Health and Social Services, Child Support Enforcement	Child Support Enforcement	\$0	\$0	\$0	(0.66)	(0.34)	0.00
8	4291	Department of Natural Resources and Environmental Control, Air Quality	Environmental Protection Agency Multipurpose Grant	\$112,168	\$0	\$0	0.00	0.00	0.00
9	3296 Amendment	Department of Natural Resources and Environmental Control, Fish and Wildlife	F-43-E Rev. 3 Delaware Aquatic Resources Education Program	\$37,500	\$12,500	\$0	0.00	0.00	0.00
10	4257	Department of Safety and Homeland Security, Traffic	Motor Carrier Safety Assistance Program	\$1,251,260	\$220,810	\$0	6.70	0.90	0.00
11	4290	Department of Safety and Homeland Security, Division of Forensic Science	DNA Capacity Enhancement and Backlog Reduction Program	\$431,069	\$13,912	\$0	0.00	0.00	0.00
12	4328	Department of Safety and Homeland Security, Highway Safety	Section 154 Sanction Grant	\$1,196,350	\$0	\$0	0.00	0.00	0.00
13	4315	Department of Transportation, Division of Motor Vehicles	Commercial Driver License Program Improvement Grant	\$187,494	\$20,832	\$0	0.00	0.00	0.00
14	4296	Department of Labor, Employment and Training Services	Labor Certification for Foreign Workers	\$65,000	\$0	\$0	1.00	0.00	0.00
15	4297	Department of Labor, Employment and Training Services	Work Opportunity Tax Credit	\$71,932	\$0	\$0	0.50	0.00	0.00

*New Business requires the attendance of the Contact Person.
Available on the internet at <http://budget.delaware.gov/clearinghouse/abm.shtml>

Higher Education

1	2019-11-16-12	Delaware State University	Think Before Doing	\$0	\$12,000	\$0
2	2020-01-11-01	Delaware State University	Targeted Infusion Project: Enhancing Undergraduate Education and Research, Innovation and Education in Engineering and Computer-Science -Integration of Smart Sensors Design to Citizens Science	\$399,393	\$0	\$0
3	2020-01-11-02	Delaware State University	MRI Study of a Limbic-Predominant Age-Related TDP-43 Encephalopathy Model	\$0	\$0	\$174,977
4	2020-01-11-03	Delaware State University	Nanoporous Layered-Oxide Cathode Material for Sodium Ion-Batteries	\$358,198	\$0	\$0
5	2020-01-11-04	Delaware State University	Mental and Behavioral Health Research Retreat	\$0	\$0	\$7,612
6	2020-01-11-05	Delaware State University	Disease Progression in an Inducible Model of TDP-43 Proteinopathy Using Resting State BOLD MRI	\$3,634,939	\$0	\$0
7	2020-01-11-06	Delaware State University	Engaging and Versatile Educational Supplements to Enhance Student Training and Interest in Research	\$366,177	\$0	\$0
8	2020-01-11-07	Delaware State University	Wound Healing: Charterizing the Effect of Clinical Pseudonas Aeruginosa on Diabetic Foot Ulcers	\$0	\$0	\$24,730
9	2020-01-11-08	Delaware State University	Understanding Stock-Recruitment Relationships for Atlantic Sturgeon in the New York Distinct Population Segment Using Estimates of Spawner Abundance and Juvenile Recruitment	\$0	\$0	\$422,890
10	2020-01-11-09	Delaware State University	Redding Consortium Support	\$0	\$0	\$46,675
11	2020-01-11-10	Delaware State University	1890 Scholarship Program for Undergraduate Students in Food and Agricultural Sciences	\$2,000,000	\$0	\$0
12	2020-01-11-11	Delaware State University	USDA-FNS Subcontract with UD	\$324,000	\$0	\$0
13	2020-01-11-12	Delaware State University	Constraining Carbon and Nitrogen Sources in the State of Delaware: Validating Satellite Data with Ground-based High Spatial-resolution Mapping	\$19,874	\$0	\$0
14	2020-01-18-01	Delaware State University	Transforming Education into an Immersive Research Experience	\$599,762	\$0	\$0
15	2020-01-18-02	Delaware State University	Implementation of DSU's Biomedical, Behavioral and Allied Health Center	\$0	\$149,350	\$0
16	2020-01-18-03	Delaware State University	Curriculum Expansion Project	\$200,000	\$0	\$0
17	2020-01-18-04	Delaware State University	Housing Stability Project	\$1,899,404	\$0	\$0
18	2018-10-13-03 Amendment	Delaware State University	Analysis of Specific Spoilage Organisms and Other Bacteria Isolated from Food and Agriculture Products	\$52,000	\$0	\$0
18	2020-01-04-01	University of Delaware	Rural Child Hunger Faith Community Engagement Project Proposal: University of Delaware	\$0	\$0	\$13,515
19	2020-01-04-02	University of Delaware	Collaborative Research: Coding with Beats: Increasing Computer Science Access, Confidence, and Skills of Minoritized Youth through Creating Hip-Hop	\$99,237	\$0	\$0

20	2020-01-04-03	University of Delaware	Toolkit for Fast, Multipurpose and Inducible Biorthogonal Chemistry	\$298,539	\$0	\$0
21	2020-01-04-04	University of Delaware	CNS Core: Small: A Novel Input-Adaptive Parallel Signal Processing Library	\$224,861	\$0	\$0
22	2020-01-04-05	University of Delaware	Augmented Reality for Co-Located Collaborative Anatomy Learning	\$0	\$0	\$130,126
23	2020-01-04-06	University of Delaware	Imaging the Motor System in Parkinson's Disease: Identifying Network Deficits with Isolated Vs. Coordinated Movements of the Upper and Lower Limbs	\$277,338	\$0	\$0
24	2020-01-04-07	University of Delaware	ABC Training Contract Duke/DHHS Roben 20	\$0	\$0	\$78,701
25	2020-01-04-08	University of Delaware	ABC Training Contract OMDHSAS Roben 20	\$0	\$0	\$27,775
26	2020-01-04-09	University of Delaware	UOL Finance LAUX Academic Winter Program	\$0	\$0	\$52,333
27	2020-01-04-10	University of Delaware	CIF: Small: Phased-Array Secure Communications for mmWave Wireless Systems	\$255,743	\$0	\$0
28	2020-01-04-11	University of Delaware	Augmented Reality (AR) Software for AF Maintenance Training Applications	\$0	\$0	\$75,449
29	2020-01-04-12	University of Delaware	Animal Performance Response to Two Rumen Protected Methionine Products	\$0	\$0	\$26,226
30	2020-01-04-13	University of Delaware	Role of Large-Scale Land Acquisitions in Addressing Livelihoods, Nutrition, and Resilience to Shocks	\$0	\$0	\$77,947
31	2020-01-04-14	University of Delaware	Louis Stokes STEM Pathways and Research Alliance: Greater Philadelphia Region LSAMP (Philadelphia AMP)	\$0	\$0	\$149,275
32	2020-01-04-15	University of Delaware	III: RI: Small: Synergistic Human Machine Prediction Systems for Quality Assurance, Vigilance, and Continual Learning	\$219,555	\$0	\$0
33	2020-01-04-16	University of Delaware	CNH2-L: Groundwater Sustainability in a Changing Climate: Coupled Hydrologic and Socioeconomic Dynamics in Irrigated Agricultural Landscapes	\$0	\$0	\$198,034
34	2020-01-04-17	University of Delaware	Collaborative Research: CIF: Small: Beyond Compressed Sensing: Analog Coding for Communications	\$177,140	\$0	\$0
35	2020-01-04-18	University of Delaware	New Models of Stellar Evolution to Understand the Past, Present & Future of Magnetic Massive Stars	\$374,541	\$0	\$0
36	2020-01-04-19	University of Delaware	Pesticide Safety Education Funds Management Program (PSEFMP) Grant	\$0	\$0	\$15,615
37	2020-01-04-20	University of Delaware	American Witch Hunt: Gender, Power, and Politics from Salem to #MeToo	\$0	\$0	\$195,665
38	2020-01-04-21	University of Delaware	Skin-to-Skin Contact Simulation: Improving Health Outcomes for Medically Fragile Newborns in the NICU	\$0	\$0	\$319,982
39	2020-01-04-22	University of Delaware	SLAM for Warehouse Robots	\$0	\$0	\$200,000
40	2020-01-04-23	University of Delaware	Professional Development and Implementation Support for Inclusive Practices in the State of Hawaii Department of Education (HIDOE)	\$0	\$0	\$557,935

41	2020-01-04-24	University of Delaware	Seasonality Amplification Drives Distinct Feedbacks to Air-Sea CO2 Flux in the Western Arctic	\$1,048,888	\$0	\$0
42	2020-01-04-25	University of Delaware	Does Atmospheric or Oceanographic Climate Change Drive Penguin Populations in the Antarctic Peninsula?	\$1,062,875	\$0	\$0
43	2020-01-04-26	University of Delaware	Slug and Natural Enemy Phenology in the Mid-Atlantic Field Crops	\$0	\$0	\$19,481
44	2020-01-04-27	University of Delaware	CIF:Small: Graph-Based Quantum Error Correcting Codes	\$329,275	\$0	\$0
45	2020-01-04-28	University of Delaware	Collaborative Research: CIF: Small: Fundamental Laws of Network Information Flow: Communication, Inference and Learning	\$164,639	\$0	\$0
46	2020-01-04-29	University of Delaware	Stories of Home: Everyday Concepts of Justice in Climate Relocation	\$0	\$0	\$199,999
47	2020-01-04-30	University of Delaware	Resilience: The New Face of Consciousness.	\$0	\$0	\$8,100
48	2020-01-04-31	University of Delaware	Unraveling Stress Localization Structure (SLS) in Multimaterial Polycrystalline Ceramics	\$202,288	\$0	\$0
49	2020-01-04-32	University of Delaware	Examining the Efficacy of a Fraction Sense Intervention Grounded in Principles from the Science of Learning	\$2,521,205	\$0	\$0
50	2020-01-04-33	University of Delaware	NSF Collaborative Research: Integrated Optoelectronic Optimization of Thin-Film Solar Cells with Light-Trapping Structures	\$305,093	\$0	\$0
51	2020-01-04-34	University of Delaware	Collaborative Research: RI: Small: Safe Underwater Exploration with Agile Legged Swimmers: Learning to Adapt to Large-Scale Uncertainty	\$164,585	\$0	\$0
52	2020-01-04-35	University of Delaware	Collaborative Research: RI: Small: Adversarial Meta-Knowledge Creation for Complex and Explainable Scene Understanding	\$170,511	\$0	\$0
53	2020-01-04-36	University of Delaware	NSF Robust Least Squares Discretization for Mixed Variational Formulations	\$217,105	\$0	\$0
54	2020-01-04-37	University of Delaware	CNS Core: Small: Enabling Approximate Computing for Dependent Microservices	\$179,754	\$0	\$0
55	2020-01-04-38	University of Delaware	ABC Dissemination Training	\$0	\$0	\$148,148
56	2020-01-04-39	University of Delaware	Chemogenetic Approaches for Enhancing Cartilage Tissue Engineering	\$275,003	\$0	\$0
57	2020-01-04-40	University of Delaware	Mary Ann Shadd Cary: Civil & Voting Rights Pioneer from Wilmington to Canada West	\$0	\$0	\$10,000
58	2020-01-04-41	University of Delaware	Targeting Mathematical Misconceptions and Improving Procedural Fluency: An Exploration of Individual Differences in Learning through Errors	\$2,017,659	\$0	\$0
59	2020-01-04-42	University of Delaware	AI Detecting Echoes of Stellar Explosions in the LSST Data	\$429,282	\$0	\$0
60	2020-01-04-43	University of Delaware	Christiana Winds at Victoria International Arts Festival	\$0	\$0	\$14,377
61	2020-01-04-44	University of Delaware	ABC Dissemination Training	\$0	\$0	\$46,296

62	2020-01-04-45	University of Delaware	Recovery of Symptoms, Function, Tendon Structure and Mechanical Properties in Patients with Achilles Tendinopathy: A Comparison Between Men and Women	\$138,162	\$0	\$0
63	2020-01-04-46	University of Delaware	Geologic Map of Wilmington South, Delaware City, and Taylors Bridge Quadrangles	\$220,971	\$6,813	\$0
64	2020-01-04-47	University of Delaware	RE/Cover Textiles: Development of Innovative Textile Upcycling Waste to Value Process Platform Through Participatory Community-Research Partnership	\$18,688	\$0	\$0
65	2020-01-04-48	University of Delaware	Service Agreement Between NUUVE and COE	\$0	\$0	\$87,623
66	2020-01-04-49	University of Delaware	CRCNS US-German Research Proposal: Mechanistic Stochastic Modeling and Inference of Neuronal Synaptic Transmission	\$218,643	\$0	\$0
67	2020-01-04-50	University of Delaware	The Interplay Between Reconnection and Turbulence	\$328,539	\$0	\$0
68	2020-01-04-51	University of Delaware	Sustainability Support for the Iraqi Institute for the Conservation of Antiquities and Heritage	\$133,333	\$0	\$0
69	2020-01-04-52	University of Delaware	WoU-MMA: Particle Astrophysics with VERITAS and CTA	\$546,810	\$0	\$0
70	2020-01-04-53	University of Delaware	Jewish Family Services PADE 19/20 Partner Organization	\$0	\$0	\$4,000
71	2020-01-04-54	University of Delaware	Instant K-Space Tomography for Spatial Spectral Monitoring	\$0	\$0	\$149,259
72	2020-01-04-55	University of Delaware	An Examination of the Reciprocal Mediating Effects of Fathering on Family Functioning and Children's Well-Being, Using the Parents and Children Together (PACT) Dataset	\$93,738	\$0	\$0
73	2020-01-04-56	University of Delaware	Professional Learning Services to NCCVT Teachers and Administrators to Support Curriculum Alignment to and Understanding of NGSS Standards and Instruction.	\$0	\$0	\$6,176
74	2020-01-04-57	University of Delaware	The Korea Institute of Marine Science and Technology Promotion	\$0	\$0	\$10,658
75	2020-01-04-58	University of Delaware	Cross-Cutting Metrology Tools for In Operando Characterization of Carrier Dynamics in Photovoltaic Devices	\$0	\$0	\$50,079
76	2020-01-04-59	University of Delaware	Information Theoretic Approaches to Computational Lithography	\$318,913	\$0	\$0
77	2020-01-04-60	University of Delaware	National Crime Victims' Rights Week, Seek Justice Ensure Victims' Rights Inspire Hope	\$0	\$0	\$4,979
78	2020-01-04-61	University of Delaware	IR-4 NER Crop Pest Management Program - Integrated Solutions and Performance Research	\$0	\$0	\$25,000
79	2020-01-04-62	University of Delaware	EFRI DChem: Food Waste Valorization through Biological-Chemical Modular Processing	\$1,305,206	\$0	\$0
80	2020-01-04-63	University of Delaware	CAREER: Mixed-Signal Photonic Integrated Circuits for Energy-Efficient High-Speed Data Interfaces	\$236,215	\$0	\$0
81	2020-01-04-64	University of Delaware	NSF-BSF: High-Precision Atomic Methodologies and New Physics Searches	\$259,290	\$0	\$0
82	2020-01-04-65	University of Delaware	Arthrogryposis: Evaluation Across the Lifespan	\$0	\$0	\$25,000

83	2020-01-04-66	University of Delaware	CDS/Iowa/Army TRL6 S Supplement	\$0	\$0	\$102,950
84	2020-01-04-67	University of Delaware	The Role of Resources in Environmental Displacement and Migration	\$0	\$0	\$175,000
85	2020-01-04-68	University of Delaware	Unraveling the Chain of Causality in Cross-Scale Heliospheric Energy Transport: From Large Scale Dynamics Through Cascade to Plasma Dissipation.	\$1,054,943	\$0	\$0
86	2020-01-04-69	University of Delaware	University of Delaware MRSEC - Center for Hybrid, Active, and Responsive Materials (CHARM)	\$10,500,104	\$0	\$0
87	2020-01-04-70	University of Delaware	Collaborative Research: WoU-MMA: Askaryan Radio Array: The World's Forefront Neutrino Astrophysics Program from 100 PeV	\$117,702	\$0	\$0
88	2020-01-04-71	University of Delaware	Collaborative Research: WoU-MMA: Construction of the Radio Neutrino Observatory in Greenland - Multi-messenger Astrophysics at Extreme Energies and a Pathfinder Toward IceCube-Gen2	\$131,954	\$0	\$0
89	2020-01-04-72	University of Delaware	Impacting Chemical Biology through Synthetic Excellence	\$0	\$0	\$88,890
90	2020-01-04-73	University of Delaware	Controlling and Preventing Asthma Progression and Severity in Kids (CASK) - Diversity Supplement	\$0	\$0	\$289,814
91	2020-01-04-74	University of Delaware	School-Based Health Center Partnership Program	\$0	\$0	\$63,341
92	2020-01-04-75	University of Delaware	Sloan Research Fellowship for Xinfeng Liang in Ocean Sciences	\$0	\$0	\$60,077
93	2020-01-04-76	University of Delaware	A 3-Faculty Team from the UD, The Center for the Study and Prevention of Gender-Based Violence in Collaboration with Faculty from BHAN & HDFs Proposes to Provide Evaluation Support to the DCADV Community Health Advocate Program.	\$0	\$0	\$46,425
94	2020-01-04-77	University of Delaware	NSF Student Travel Grant for 2020 IEEE Conference on Communications and Network Security (CNS)	\$18,000	\$0	\$0
95	2020-01-04-78	University of Delaware	NSF Student Travel Grant for 2020 ACM SIGCOMM Symposium on SDN Research (SOSR)	\$15,000	\$0	\$0
96	2020-01-04-79	University of Delaware	UM/DOS SUSI-FP 2020 Study of The U.S. Institutes for Scholars	\$0	\$0	\$277,552
97	2020-01-04-80	University of Delaware	Collaborative Research: Network Cluster: Salinization of the Coastal Critical Zone: Drivers and Feedbacks that Transform Landscapes and Fluxes Between Land and Sea	\$1,553,637	\$0	\$0
98	2020-01-04-81	University of Delaware	NSF Zhang Collaborative Research: Hybridizable Dg Methods for Optimal Transport Via Fluid Flows	\$57,523	\$0	\$0
99	2020-01-04-82	University of Delaware	NSF Zhang Collaborative Research: Interpolatory Hybridizable Dg Methods for Nonlinear PDES	\$57,523	\$0	\$0
100	2020-01-04-83	University of Delaware	Career: Proof in Secondary Classrooms: Decomposing a Central Mathematical Practice. Supplement	\$51,661	\$0	\$0
101	2020-01-04-84	University of Delaware	The Structural Basis of SwrA Activation Of Swarming Motility and its Adaptor-Mediated Degradation by LonA Protease	\$195,094	\$0	\$0
102	2020-01-04-85	University of Delaware	Neural Network Models of Competency Status to Enhance Human-Agent Team Performance	\$62,339	\$0	\$0
103	2020-01-04-86	University of Delaware	STRIVE PADE 19/20 Partner Organization	\$0	\$0	\$12,500

104	2020-01-04-87	University of Delaware	Girls Inc PADE 19/20 Partner Organization	\$0	\$0	\$14,500
105	2020-01-04-88	University of Delaware	Claymont Community Center PADE 19/20 Partner Organization	\$0	\$0	\$12,500
106	2020-01-04-89	University of Delaware	Summer Collaborative PADE 19/20 Partner Organization	\$0	\$0	\$14,500
107	2020-01-04-90	University of Delaware	Central Baptist CDC PADE 19/20 Partner Organization	\$0	\$0	\$16,500
108	2020-01-04-91	University of Delaware	MRI: Acquisition of a Multi Collector Inductively Coupled Mass Spectrometer	\$713,420	\$0	\$0
109	2020-01-04-92	University of Delaware	SCH: INT: Pediatric Motor Rehabilitation Via Socially Interacting Robot Swarms	\$794,720	\$0	\$0
110	2020-01-04-93	University of Delaware	Achieving Unprecedented Measurement Accuracy by a New Radio-Muon Method for Multi-Messenger Particle Astrophysics	\$444,699	\$0	\$0
111	2020-01-04-94	University of Delaware	Functional Consequences of Plasmalogens - Membrane Curvature and Lipid Miscibility	\$186,582	\$0	\$0
112	2020-01-04-95	University of Delaware	Collaborative Research: Precipitation-Driven Watershed Scale Controls of Carbon Dioxide Fluxes in Tropical Headwaters	\$0	\$0	\$28,117
113	2020-01-04-96	University of Delaware	Attachment A - Year 2 - Investigations of Hydrocarbon Reservoirs through Metagenomics and Biological Methane Oxidation	\$0	\$0	\$287,824
114	2020-01-04-97	University of Delaware	SCH: INT: Collaborative Research: A Smart Wearable System for Early Identification of Developmental Delays	\$570,052	\$0	\$0
115	2020-01-04-98	University of Delaware	Safety and Efficacy of Avian Paramyxovirus 3 Vectored Infectious Bursal Disease Virus Vaccine Administered to Day-old Chicks as a Monovalent or in Combination with Newcastle Disease Virus B1B1 against a Virulent Newcastle Disease Virus (Texas GB) Challenge	\$0	\$0	\$43,149
116	2020-01-04-99	University of Delaware	STRIVE2 PADE 19/20 Partner Organization	\$0	\$0	\$12,500
117	2020-01-05-01	University of Delaware	Non-Destructive Molecular Monitoring and Diagnosis of Alkali-Silica Reaction	\$0	\$4,000	\$49,945
118	2020-01-05-02	University of Delaware	Delaware Sea Grant 2020-2022 Research Projects	\$1,340,374	\$31,764	\$0
119	2020-01-11-01	University of Delaware	Collaborative Research: Generalized Fluctuation Tests for Deciphering Stochastic Phenotypic Switching within Cell Populations	\$158,652	\$0	\$0
120	2020-01-11-02	University of Delaware	A Novel Approach to Model Multiple Datasets Aimed to Improve Diagnosis, Predict Progression and Inform New Treatments of Chronic Disease	\$762,418	\$0	\$0
121	2020-01-11-03	University of Delaware	QESST: ERC For Quantum Energy and Sustainable Solar Technologies	\$0	\$0	\$23,164
122	2020-01-11-04	University of Delaware	Effects of Prenatal Opioid Exposure on Infant Autonomic Physiology	\$192,051	\$0	\$0
123	2020-01-11-05	University of Delaware	Delaware Geological Survey National Ground Water Monitoring Network 2020 Objective 2, Part A	\$28,615	\$0	\$0
124	2020-01-11-06	University of Delaware	NCCPD/BJA Opioid Response	\$0	\$0	\$126,102

125	2020-01-11-07	University of Delaware	NCCPD/BJA Justice and Mental Health Collaboration Program	\$0	\$0	\$63,559
126	2020-01-11-08	University of Delaware	Acquisition of Goods and Services	\$10,727	\$0	\$0
127	2020-01-11-09	University of Delaware	US Students Participation of the 22nd Course of ISCRA	\$15,000	\$0	\$0
128	2020-01-11-10	University of Delaware	Global Enterprise Technology Program Cullis	\$0	\$0	\$66,842
129	2020-01-11-11	University of Delaware	Patellofemoral OA Development in the ACL Reconstructed Knee	\$2,418,260	\$0	\$0
130	2020-01-11-12	University of Delaware	Accelerated Magnetic Resonance Elastography for Brain Stiffness Analysis in Children with Classic Autistic Disorder	\$193,958	\$0	\$0
131	2020-01-11-13	University of Delaware	State-Of-The-Practice Report Partial-Depth Precast Concrete Deck Panels	\$0	\$0	\$5,403
132	2020-01-11-14	University of Delaware	New Directions in AIOps	\$0	\$0	\$500,002
133	2020-01-11-15	University of Delaware	Leveraging Youth Participatory Action Research to Address Educational Inequities for Unstably Housed Youth	\$0	\$0	\$30,000
134	2020-01-11-16	University of Delaware	QLCI-CI: Enhanced Sensing and Distribution Using Quantum States	\$0	\$0	\$296,871
135	2020-01-11-17	University of Delaware	RCN: Think Globally, Sample Locally - Building an International Community to Advance Urban Soil Science	\$412,559	\$0	\$0
136	2020-01-11-18	University of Delaware	Collaborative Research: Synthetic CRISPR-Cas6 Endonucleases for Dynamic Control of Cellular Phenotypes in Yeast	\$391,777	\$0	\$0
137	2020-01-11-19	University of Delaware	NSF Oceanographic Instrumentation CY20	\$106,900	\$0	\$0
138	2020-01-11-20	University of Delaware	Effects of Developmental Alcohol Exposure and Adolescent Exercise Intervention on Myelination of the Corpus Callosum in a Rodent Model of Fetal Alcohol Spectrum Disorders	\$126,360	\$0	\$0
139	2020-01-11-21	University of Delaware	4D Rheo-SANS Sample Environment for Soft Matter, Biology and Materials Processing	\$0	\$0	\$234,533
140	2020-01-11-22	University of Delaware	The Case for Jewelry Manufacturing and its Impact on Value Addition, Job Creation, and the Economic Empowerment of Women and Youth	\$0	\$0	\$126,662
141	2020-01-11-23	University of Delaware	NSF OPS Support	\$511,207	\$0	\$0
142	2020-01-11-24	University of Delaware	Mapping Dynamics and Cooperative Interactions at Electrode/Electrolyte Interfaces to Direct Valorization of CO2 and N2	\$499,126	\$0	\$0
143	2020-01-11-25	University of Delaware	Effects of Aging and Mild Cognitive Impairment on the Viscoelastic Properties of the Hippocampal Subfields and Memory Performance	\$193,958	\$0	\$0
144	2020-01-11-26	University of Delaware	Novel Model of Tendinosis to Investigate Multiscale Structure and Function of Tendon after Overload	\$193,958	\$0	\$0
145	2020-01-11-27	University of Delaware	Prevention Point Philadelphia/ Dept of Health and Human Services Grants for the Benefit of Homeless Individuals	\$0	\$0	\$213,793

146	2020-01-11-28	University of Delaware	Logic-Gated Pro-MMPActivation for Bioinspired Motility and Signal Amplification in Nanocarriers	\$322,286	\$0	\$0
147	2020-01-11-29	University of Delaware	Study of the U.S. Institutes for Student Leaders on Women's Leadership	\$0	\$0	\$201,916
148	2020-01-11-30	University of Delaware	Stimuli Responsive Hydrogel Microparticle Populations for Controlled Delivery of Multiple Therapeutics Toward Improved Combination Therapy for Breast Cancer Treatment	\$0	\$0	\$960
149	2020-01-11-31	University of Delaware	Augmented Reality for Co-Located Collaborative Anatomy Learning	\$0	\$0	\$135,600
150	2020-01-11-32	University of Delaware	Catalytic Formation of Carbon-Heteroatom Bonds in Electrochemical CO2/CO Reduction	\$345,880	\$0	\$0
151	2020-01-11-33	University of Delaware	Harness Phase Transformation Near Diffraction Limit with Chip-Scale Dielectric Metasurface	\$0	\$0	\$600,001
152	2020-01-11-34	University of Delaware	Comprehensive Life Cycle Analysis of Mined Vs. Laboratory Grown Diamonds	\$0	\$0	\$58,160
153	2020-01-11-35	University of Delaware	Ultra-High Precision Sensing and Constraining Isotopic Ratios of Oxygen, Carbon and Water Vapor for Landed Mars Mission	\$92,953	\$0	\$0
154	2020-01-11-36	University of Delaware	Development of Region-based Image Registration and Change Detection Techniques for Mapping Natural Disasters	\$93,000	\$0	\$0
155	2020-01-11-37	University of Delaware	Military Youth Maker Camp	\$0	\$0	\$8,475
156	2020-01-11-38	University of Delaware	Clapper Rail (Rallus crepitans) Demography and Movement Ecology	\$100,840	\$0	\$0
157	2020-01-11-39	University of Delaware	Classifying Cosmic-Ray Events Detected by Radio Probes	\$65,063	\$0	\$0
158	2020-01-11-40	University of Delaware	Collaborative Research: Understanding Agglomeration and Deagglomeration of Irregularly Shaped Microparticles in Pulmonary Airflows	\$226,518	\$0	\$0
159	2020-01-11-41	University of Delaware	Durability of Steel Bridge Corrosion Protection Systems Using Environment-Based Accelerated Corrosion Testing	\$0	\$0	\$137,224
160	2020-01-11-42	University of Delaware	On-Chip Spectrometers for Infrared and Terahertz Wavelengths	\$0	\$0	\$600,001
161	2020-01-11-43	University of Delaware	Mixing in the Texas Coastal Zone through Coordinated Simulations and Field Measurements: The Role of Langmuir Cells in Sediment Suspension and Oil-mineral Aggregation	\$0	\$0	\$18,380
162	2020-01-11-44	University of Delaware	Blue Carbon Dynamics of a Tidal Salt Marsh Ecosystem: Investigating Storage and Transport Mechanisms at the St. Jones National Reserve	\$101,822	\$0	\$0
163	2020-01-11-45	University of Delaware	Mid-Atlantic Climate Change Education Conference	\$7,225	\$0	\$0
164	2020-01-11-46	University of Delaware	Preservation of Classical Music Historical Recordings FY20	\$0	\$0	\$10,000
165	2020-01-11-47	University of Delaware	Port of Albany-Rensselaer Sturgeon Monitoring Project	\$0	\$0	\$79,648
166	2020-01-11-48	University of Delaware	Developing Live Load Distribution Formulas for Cast-in-Place Culverts in Louisiana	\$0	\$0	\$80,001

167	2020-01-11-49	University of Delaware	SkyC: A Facility Bringing the Fast Moving Fast Changing Sky to the Astronomical Community	\$0	\$0	\$171,534
168	2020-01-11-50	University of Delaware	Impact of "Smart" Self-Monitoring Tools on Outcomes of the National Diabetes Prevention Program (NDPP): YMCA Model	\$0	\$0	\$539,088
169	2020-01-11-51	University of Delaware	Virtual World Preparation of "Diabetes Prevention Ambassadors" to Support Community-Based Real-World Diabetes Prevention Efforts	\$0	\$0	\$208,828
170	2020-01-11-52	University of Delaware	Ultra-High Energy Particle Astrophysics with Anita-4 Co-I	\$19,735	\$0	\$0
171	2020-01-11-53	University of Delaware	Implementing Stigma Reduction Tools Via a Popular Teletraining Platform to Reduce Clinician Stigma and Disparities in HIV Testing, Prevention, and Linkage to Care in Malaysia	\$488,219	\$0	\$0
172	2020-01-11-54	University of Delaware	Priority 1: Rescue, Preservation and Maintaining Access to Geological Samples and Data at Delaware Geological Survey/ Priority 2: Regional Minerals Workshop	\$77,294	\$0	\$0
173	2020-01-11-55	University of Delaware	Plant Mediated Controls on Carbon Dioxide Exchange and Methane Emissions within a Coastal Mid-Atlantic Salt Marsh in the Face of Environmental Change	\$103,004	\$0	\$0
174	2020-01-11-56	University of Delaware	Delaware Pilot Study of the Lions Quest 12-Week Prevention Program	\$0	\$0	\$77,568
175	2020-01-11-57	University of Delaware	Modeling and Analysis of Sensorimotor Dynamics in Inter-leg Coupling Leads to Novel Model-based Approach to Human Gait Rehabilitation	\$0	\$0	\$130,142
176	2020-01-11-58	University of Delaware	The Surface and Subsurface Mechanics of Lubrication Failure: Toward Fuel Flexibility in Military	\$256,965	\$0	\$0
177	2020-01-11-59	University of Delaware	Amendment #4 Supplement to CES-RWJF Culture of Health	\$0	\$0	\$23,121
178	2020-01-11-60	University of Delaware	Examining Neural Sequelae of Childhood Deprivation and Abuse	\$0	\$0	\$2,000
179	2020-01-11-61	University of Delaware	NSF Collaborative Research: Expanding Reach of Industrial Career Training for Graduate Students	\$37,840	\$0	\$0
180	2020-01-11-62	University of Delaware	YIP: Realizing Large-Scale Integrated RF Photonic Signal Processing Systems	\$0	\$0	\$26,738
181	2020-01-11-63	University of Delaware	HHS DATI FY2020 Delaware Assistive Technology Initiative	\$31,027	\$0	\$0
182	2020-01-11-64	University of Delaware	Christiana Care Health Care Services Research Amendment 7A	\$0	\$0	\$42,047
183	2020-01-11-65	University of Delaware	Exploring the Space of CHO Extracellular Vesicles (EVs) & their Potential Applications	\$0	\$0	\$44,999
184	2020-01-11-66	University of Delaware	Lynen Fellowship Host Contribution: General Number and the DP/NP Question	\$50,262	\$0	\$0
185	2020-01-11-67	University of Delaware	Evoked Category Representations	\$12,030	\$0	\$0
186	2020-01-11-68	University of Delaware	Speech and Communicative Timing Across Linguistic Contexts	\$308,650	\$0	\$0
187	2020-01-11-69	University of Delaware	CY2020 ONR Ship Support	\$1,068,815	\$0	\$0

188	2020-01-11-70	University of Delaware	Bill and Melinda Gates Foundation, Professional Learning Partnership Study	\$0	\$0	\$203,680
189	2020-01-11-71	University of Delaware	Towards a Range-wide Understanding of Atlantic Sturgeon Migratory Patterns: Integrating Telemetry and Genetics for DPS-specific Insights	\$350,995	\$0	\$0
190	2020-01-11-72	University of Delaware	Smartwind: A Data-Driven Software for Wake Steering Via Yawn Control	\$0	\$0	\$226,107
191	2020-01-11-73	Delaware Technical Community College	Expanding Employer Engagement and Student Work Opportunities	\$0	\$0	\$500,000

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